Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/14/2019 10:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123629	-2	2.17	123742	2.17
Blue	F	SSC	125000	123540	-2	3.89	124315	3.78
Blue	E	FITC	16694	16166	-4	3.77	374	21.86
Blue	D	PE	32792	31764	-4	3.02	697	15.87
Blue	B	PerCP-Cy5-5	44451	43956	-2	4.61	1202	23.02
Blue	A	PE-Cy7	33645	33956	0	7.03	624	46.46
Red	C	APC	47008	46310	-2	3.14	1793	13.56
Red	A	APC-Cy7	32298	31695	-2	3.01	800	13.95
Violet	B	V450	8961	8633	-4	4.61	494	13.93
Violet	A	V500	32726	31792	-3	4.34	769	10.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19864	4.23	604	-9	N/A	N/A	Pass
Blue	F	SSC	56567	3.15	574	6	N/A	N/A	Pass
Blue	E	FITC	62	70.60	561	-2	0.0154	100	Pass
Blue	D	PE	138	57.39	565	-1	0.1517	343	Pass
Blue	B	PerCP-Cy5-5	225	54.98	668	-3	0.0073	37	Pass
Blue	A	PE-Cy7	122	113.91	725	-1	0.0093	20	Pass
Red	C	APC	410	28.51	612	-1	0.0185	91	Pass
Red	A	APC-Cy7	199	31.64	582	-3	0.0047	1243	Pass
Violet	B	V450	72	67.39	479	-7	0.0490	2513	Pass
Violet	A	V500	109	34.44	489	-7	0.0206	567	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.52	-32.24	1.11
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.46	13.60 - 20.40	N/A	N/A	29.45	29.85	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10032

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments